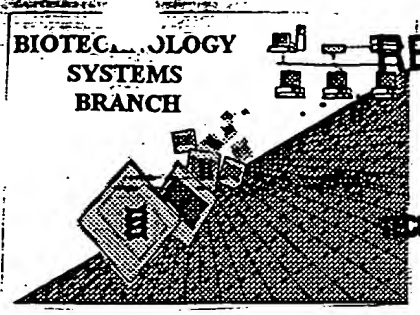
B Brumback



P#15

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/230,111B

Source: 1642

Date Processed by STIC: 11-07-00

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin30help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

http://www.uspto.gov/web/offices/pac/checker

B. Brumbaugh

RECEIVED
NOV 27 2000
1642
TECH CENTER 1600/2900

RAW SEQUENCE LISTING DATE: 11/07/2000
PATENT APPLICATION: US/09/230,111B TIME: 15:01:29

Input Set : A:\48962apl.app
Output Set: N:\CRF3\11072000\I230111B.raw

Does Not Comply
Corrected Diskette Needed

```
  3 <110> APPLICANT: Sato, Taka-Aki
  4       Yanagisawa, Junn
  6 <120> TITLE OF INVENTION: COMPOUNDS THAT INHIBIT INTERACTION BETWEEN
  7       SIGNAL-TRANSDUCING PROTEINS AND THE GLGF (PDZ/DHR)
  8       DOMAIN AND USES THEREOF
 10 <130> FILE REFERENCE: 48962-A-PCT-US
 12 <140> CURRENT APPLICATION NUMBER: 09/230,111B
 13 <141> CURRENT FILING DATE: 1999-05-17
 15 <160> NUMBER OF SEQ ID NOS: 33
 17 <170> SOFTWARE: PatentIn Ver. 2.1
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 4
 21 <212> TYPE: PRT
 22 <213> ORGANISM: Artificial Sequence
 24 <220> FEATURE:
 25 <223> OTHER INFORMATION: Description of Artificial
 26       Sequence:source:synthesized
 28 <220> FEATURE:
 29 <221> NAME/KEY: SITE
 30 <222> LOCATION: (1)
 31 <223> OTHER INFORMATION: Xaa=Gly, Ser, Ala or Glu
 33 <220> FEATURE:
 34 <221> NAME/KEY: SITE
 35 <222> LOCATION: (4)
 36 <223> OTHER INFORMATION: Xaa=Phe, Ile or Leu
 38 <400> SEQUENCE: 1
W--> 39 Xaa Leu Gly Xaa
 40  1
 43 <210> SEQ ID NO: 2
 44 <211> LENGTH: 6
 45 <212> TYPE: PRT
 46 <213> ORGANISM: Artificial Sequence
 48 <220> FEATURE:
 49 <223> OTHER INFORMATION: Description of Artificial
 50       Sequence:source:synthesized
 52 <220> FEATURE:
 53 <221> NAME/KEY: SITE
 54 <222> LOCATION: (1)
 55 <223> OTHER INFORMATION: Xaa=Lys, Arg or Gln
 57 <220> FEATURE:
 58 <221> NAME/KEY: SITE
 59 <222> LOCATION: (2)
 60 <223> OTHER INFORMATION: Xaa=any 2-4 amino acids
 62 <220> FEATURE:
 63 <221> NAME/KEY: SITE
 64 <222> LOCATION: (3)
 65 <223> OTHER INFORMATION: Xaa=Gly, Ser, Ala or Glu
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Xaa may only represent one residue. See #6 on the Error Summary Sheet.

RAW SEQUENCE LISTING DATE: 11/07/2000
PATENT APPLICATION: US/09/230,111B TIME: 15:01:29

Input Set : A:\48962apl.app
Output Set: N:\CRF3\11072000\I230111B.raw

67 <220> FEATURE:
68 <221> NAME/KEY: SITE
69 <222> LOCATION: (6)
70 <223> OTHER INFORMATION: Xaa=Phe, Ile or Leu
72 <400> SEQUENCE: 2
W--> 73 Xaa Xaa Xaa Leu Gly Xaa
74 1 5
77 <210> SEQ ID NO: 3
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79 <212> TYPE: PRT
80 <213> ORGANISM: Artificial Sequence
82 <220> FEATURE:
83 <223> OTHER INFORMATION: Description of Artificial
84 Sequence:source:synthesized
86 <400> SEQUENCE: 3
87 Ser Leu Gly Ile
88 1
91 <210> SEQ ID NO: 4
92 <211> LENGTH: 3
93 <212> TYPE: PRT
94 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: Description of Artificial
98 Sequence:source:synthesized
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101 <221> NAME/KEY: SITE
102 <222> LOCATION: (1)
103 <223> OTHER INFORMATION: Xaa=Ser or Thr
105 <220> FEATURE:
106 <221> NAME/KEY: SITE
107 <222> LOCATION: (2)
108 <223> OTHER INFORMATION: Xaa=any one amino acid
110 <220> FEATURE:
111 <221> NAME/KEY: SITE
112 <222> LOCATION: (3)
113 <223> OTHER INFORMATION: Xaa=Val, Ile or Leu
115 <400> SEQUENCE: 4
W--> 116 Xaa Xaa Xaa
117 1
120 <210> SEQ ID NO: 5
121 <211> LENGTH: 15
122 <212> TYPE: PRT
123 <213> ORGANISM: human
125 <400> SEQUENCE: 5
126 Asp Ser Glu Asn Ser Asn Phe Arg Asn Glu Ile Gln Ser Leu Val
127 1 5 10 15
130 <210> SEQ ID NO: 6
131 <211> LENGTH: 15
132 <212> TYPE: PRT

See p. 1

RAW SEQUENCE LISTING DATE: 11/07/2000
PATENT APPLICATION: US/09/230,111B TIME: 15:01:29

Input Set : A:\48962apl.app
Output Set: N:\CRF3\11072000\I230111B.raw

<213> ORGANISM: rat
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1 5 10 15
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Glu Ser Leu Val
1
<210> SEQ ID NO: 9
<211> LENGTH: 6
<212> TYPE: PRT
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Thr Ile Gln Ser Val Ile
1 5
<210> SEQ ID NO: 10
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Arg Gly Phe Ile Ser Ser Leu Val
1 5
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RAW SEQUENCE LISTING DATE: 11/07/2000
PATENT APPLICATION: US/09/230,111B TIME: 15:01:29

Input Set : A:\48962apl.app
Output Set: N:\CRF3\11072000\I230111B.raw

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202 Arg Glu Thr Ile Glu Ser Thr Val
203   1               5
206 <210> SEQ ID NO: 12
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211 <220> FEATURE:
212 <223> OTHER INFORMATION: Description of Artificial
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215 <400> SEQUENCE: 12
216 Gln Asn Phe Arg Thr Tyr Ile Val Ser Phe Val
217   1               5                  10
220 <210> SEQ ID NO: 13
221 <211> LENGTH: 13
222 <212> TYPE: PRT
223 <213> ORGANISM: Artificial Sequence
225 <220> FEATURE:
226 <223> OTHER INFORMATION: Description of Artificial
227       Sequence:source:synthesized
229 <400> SEQUENCE: 13
230 Ser Asp Ser Asn Met Asn Met Asn Glu Leu Ser Glu Val
231   1               5                  10
234 <210> SEQ ID NO: 14
235 <211> LENGTH: 15
236 <212> TYPE: PRT
237 <213> ORGANISM: Artificial Sequence
239 <220> FEATURE:
240 <223> OTHER INFORMATION: Description of Artificial
241       Sequence:source:synthesized
243 <400> SEQUENCE: 14
244 Pro Pro Thr Cys Ser Gln Ala Asn Ser Gly Arg Ile Ser Thr Leu
245   1               5                  10                  15
248 <210> SEQ ID NO: 15
249 <211> LENGTH: 15
250 <212> TYPE: PRT
251 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <223> OTHER INFORMATION: Description of Artificial
255       Sequence:source:synthesized
257 <400> SEQUENCE: 15
258 Ile Asp Leu Ala Ser Glu Phe Leu Phe Leu Ser Asn Ser Phe Leu
259   1               5                  10                  15
262 <210> SEQ ID NO: 16
263 <211> LENGTH: 15
264 <212> TYPE: PRT
265 <213> ORGANISM: Artificial Sequence
267 <220> FEATURE:
268 <223> OTHER INFORMATION: Description of Artificial
269       Sequence:source:synthesized
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RAW SEQUENCE LISTING DATE: 11/07/2000
PATENT APPLICATION: US/09/230,111B TIME: 15:01:29

Input Set : A:\48962apl.app
Output Set: N:\CRF3\11072000\I230111B.raw

271 <400> SEQUENCE: 16
272 Asp Ser Glu Met Tyr Asn Phe Arg Ser Gln Leu Ala Ser Val Val
273 1 5 10 15
276 <210> SEQ ID NO: 17
277 <211> LENGTH: 15
278 <212> TYPE: PRT
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: Description of Artificial
283 Sequence:source:synthesized
285 <400> SEQUENCE: 17
286 Ile Pro Pro Asp Ser Glu Asp Gly Asn Glu Glu Gln Ser Leu Val
287 1 5 10 15
290 <210> SEQ ID NO: 18
291 <211> LENGTH: 4
292 <212> TYPE: PRT
293 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: Description of Artificial
297 Sequence:source:synthesized
299 <400> SEQUENCE: 18
300 Gln Ser Leu Val
301 1
304 <210> SEQ ID NO: 19
305 <211> LENGTH: 5
306 <212> TYPE: PRT
307 <213> ORGANISM: Artificial Sequence
309 <220> FEATURE:
310 <223> OTHER INFORMATION: Description of Artificial Sequence:source
311 synthesized
313 <400> SEQUENCE: 19
314 Ile Gln Ser Leu Val
315 1 5
318 <210> SEQ ID NO: 20
319 <211> LENGTH: 6
320 <212> TYPE: PRT
321 <213> ORGANISM: Artificial Sequence
323 <220> FEATURE:
324 <223> OTHER INFORMATION: Description of Artificial
325 Sequence:source:synthesized
327 <400> SEQUENCE: 20
328 Glu Ile Gln Ser Leu Val
329 1 5
332 <210> SEQ ID NO: 21
333 <211> LENGTH: 7
334 <212> TYPE: PRT
335 <213> ORGANISM: Artificial Sequence
337 <220> FEATURE:
338 <223> OTHER INFORMATION: Description of Artificial

VERIFICATION SUMMARY DATE: 11/07/2000
PATENT APPLICATION: US/09/230,111B TIME: 15:01:30

Input Set : A:\48962ap1.app
Output Set: N:\CRF3\11072000\I230111B.raw

L:39 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:73 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:116 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:1606 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:31
L:1606 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:31
L:1606 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:31
L:1623 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:32
L:1623 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:32
L:1623 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:32
L:1640 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:33
L:1640 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:33
L:1640 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:33